

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1.-22. (Cancelled)

Claim 23. (Currently Amended) A method of producing a video screen hologram as a holographic image of a real video screen by illuminating the ~~in which a real video screen is illuminated by~~ with narrowband light to generate a hologram of the real video screen, said method comprising:

making a plurality of individual recordings ~~being made, in each case only a~~ by sequentially illuminating partial [[area]] areas of the real video screen; ~~and being illuminated, so that~~

forming a video screen hologram of the entire video screen ~~is obtained~~ by a composition of the individual recordings; [[,]]

wherein illumination of the video screen is performed [[using]] by guiding a scanning pulsed laser beam over the video screen.

Claim 24. (Currently Amended) The method according to Claim 23, wherein ~~[[the]]~~ pulse duration of the scanning pulsed laser beam is dimensioned such that the movement of the laser beam over the video screen has substantially no effect on interference of the light waves in the hologram.

Claim 25. (Currently Amended) The method according to Claim 23, wherein each of the partial areas of the video screen ~~[[have]]~~ has a size that corresponds to an image ~~pixels.~~ pixel.

Claim 26. (Previously Presented) The method according to Claim 23, wherein the lumination takes place by means of a pulsed diode-pumped solid-state continuous-wave laser.

Claim 27. (Currently Amended) The method according to Claim 23, ~~wherein~~ further comprising performing a frequency conversion ~~takes place~~ of said laser beam in one or several of the wavelength ranges red, green, blue.

Claim 28. (Previously Presented) The method according to Claim 23, wherein a contact hologram or a video screen plane hologram is generated.

Claim 29. (Previously Presented) The method according to Claim 24, wherein a contact hologram or a video screen hologram is produced.

Claim 30. (Previously Presented) The method according to Claim 23, wherein a transmission hologram or a reflection hologram is produced.

Claim 31. (Previously Presented) The method according to Claim 23, wherein laser beams of a coherence length are generated which is greater than a difference between light paths of the object beam and the reference beam.

Claim 32. (Previously Presented) The method according to Claim 24, wherein a scanning rate and a pulse duration of scanning pulsed laser are mutually coordinated such that the movement of the laser beam during a pulse is smaller than $1/10$ of the wavelength.

Claim 33. (Previously Presented) The method according to Claim 23, wherein a repeated scanning of the video screen surface takes place by means of a respectively phase-shifted laser beam.

Claim 34. (Previously Presented) The method according to Claim 23, wherein distribution of the lumination in the hologram is measured to correct lumination in a subsequent lumination cycle.

Claim 35. (Previously Presented) The method according to Claim 23, wherein plural luminations are carried out with mutually perpendicularly polarized energy beams to produce two mutually independent screen images in the hologram.

Claims 36.-39. (Cancelled)

Claim 40. (Previously Presented) A video screen hologram comprising a holographic recording material in which a real video screen is stored as a hologram, wherein:

the video screen hologram comprises a plurality of individual recordings, in each of which a partial area of the real video screen is imaged as a hologram, an entire image of the whole video screen resulting from assembled or superimposed individual recordings; and

the individual recordings are generated by illuminating the video screen by means of a scanning pulsed laser beam.

Claims 41.-42. (Cancelled)

Claim 43. (Previously Presented) A video screen hologram comprising a holographic recording material in which an image of a real video screen is stored as a hologram, wherein:

the video screen hologram comprises a plurality of individual recordings, each of which contains a holographic image of a partial area of the real video screen; and

an entire image of the whole video screen is formed from assembled or superimposed individual recordings.

Claim 44. (Previously Presented) A method of generating a video screen hologram, comprising:

illuminating a real video screen with narrow band light by successively illuminating partial areas of the real video screen;

recording a plurality of individual holographic images in a recording medium, each of which covers only a single partial area of the real video screen, said individual holographic images collectively covering the entire real video screen; and

forming a composite of said individually recorded holographic images to generate a video screen hologram of the entire real video screen;

wherein illumination of the video screen is performed using a scanning pulsed laser beam.

Claims 45.-46. (Cancelled)

Amendments to the Drawings:

The attached sheets of drawings includes changes to Figs. 4, 5 and 6. Figure 4 has been amended to correctly show the reference numerals 57,58,57',58'; Figure 5 has been amended to delete the reference numeral 50; and Figure 6 has been amended to delete the reference numeral 60.

Attachment: Proposed Drawings Changes (Figures 4, 5 and 6)